

Instructions:-

- 1) Before cutting the paper, figure out where all of the fold lines are going to be and score gently along those lines for easy folding, see Figure 1.
- 2) Cut out the icosahedron carefully. Scissors may be used but a sharp knife in my experience works better.
- 3) White carpenter's glue works well, a glue stick works well with the glue pressed into place with a scalpel or knife blade.
- 4) If you want to do a really good globe then the perfectionist would cut out the icosahedron and remove all of the glue tabs. Instead of using glue tabs, which actually distort the globe very slightly, a perfectionist would use "splines". Figure 2 below shows roughly how that is done, cross sections through two joins, one using the glue tabs and the other using splines. This is probably not important if you use thin paper, but if you print the maps onto card stock you might like to consider using the spline approach.

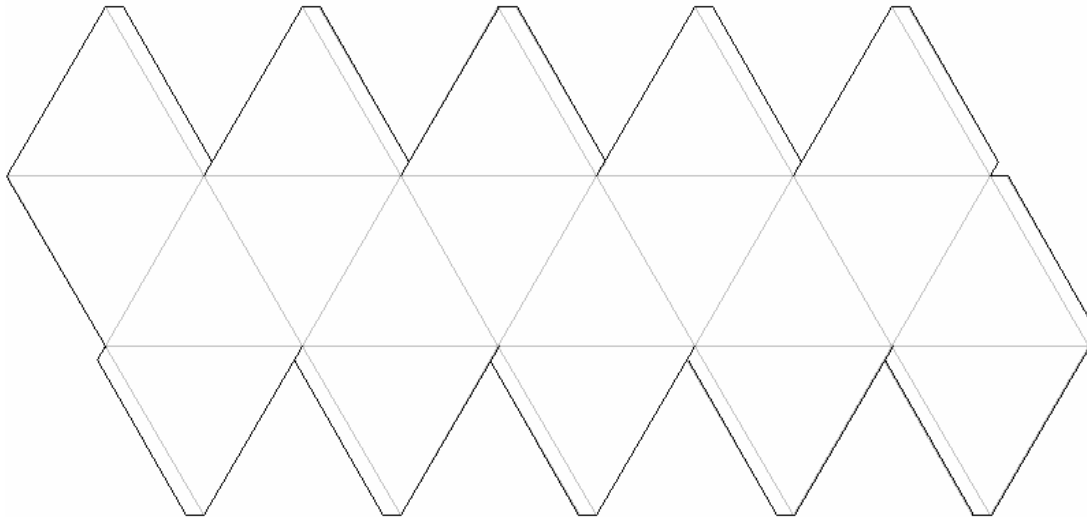


Figure 1: The pattern of cut lines (black) and score lines (grey)

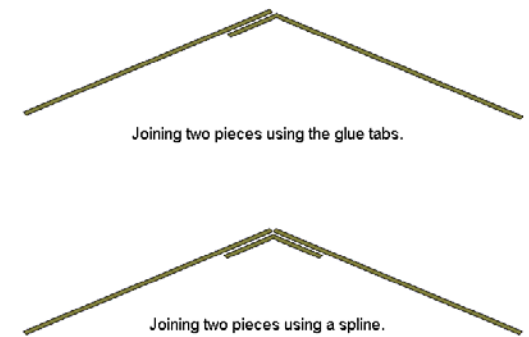


Figure 2: Two different methods of joining edges.

These instructions are available at:-

From http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/Argo/images/Argo_icos.pdf

Or for the raw icosahedron graphic image:-

From <http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/Argo/images/icosa.jpg>